High Purity - Electronics Grade Nylon 6,6 and Plus+ Nylon 6,6
Hydrophilic Nylon 6,6 for Electronics Applications

Electronics Grade Nylon 6,6 Cartridges are designed to meet the special needs of the electronics and high purity chemical industries. GEHNY cartridges are available in both standard and Plus+ grades. The Plus+ grade membrane is modified with a highly positive charge, allowing for the removal of particles that are significantly smaller than the membrane’s rating. Each cartridge is flushed to 18 MΩ with UPW and 100% integrity tested to deliver ultra-clean effluent as well as ultra-low extractables. The Extended Area option (GEHNY+) offers up to 40% more surface area. This additional area results in significant increases in flowrate and loading-capacity in the same footprint.

**Construction Materials**
- Membrane: Nylon 6,6
- Support Media: Polypropylene
- End Caps: Polypropylene
- Center Core: Polypropylene
- Outer Support Cage: Polypropylene
- O-Rings/Gaskets: Buna, EPDM, Silicone, Viton®, Teflon® Encapsulated Viton®

**Sanitization/Sterilization**
- Filtered Hot Water: 80°C for 30 min.
- Steam Sterilization: 121°C for 30 min., multiple cycles
- Chemicals: Cartridges are chemically compatible with most chemicals and sanitizing agents.
- Note: Stainless steel insert option needed for all cartridges being hot water sanitized or steam sterilized.

**Food Safety Compliance**
Materials of construction comply with FDA regulations for food and beverage contact use as detailed in the US Code of Federal Regulations, 21CFR. Materials used to produce filter media and hardware are deemed safe for use in contact with foodstuffs in accordance with EU Directives 2002/72/EC, 1935/2004, and/or 10/2011.

**Dimensions**
- Length: 10 to 40 inches (25.4 to 101.6 cm) nominal
- Outside Diameter: 2.70 inches (7.0 cm) nominal

**Maximum Recommended Operating Conditions**
- Temperature: 176°F (80°C)

**Maximum Differential Pressures**
- Forward: 50 PSI (3.4 bar) at 20°C
- Reverse: 40 PSI (2.7 bar) at 20°C

**Toxicity**
All polypropylene components meet the specifications for biological safety per USP Class VI – 121°C for plastics.

**Typical Applications**
- UHP DI Water
- Ultrafine Chemicals
- Ion Exchange Resin Trap
- Point-of-Use Filters

**Ordering Information**

<table>
<thead>
<tr>
<th>GEHNY+</th>
<th>Rating (μ)</th>
<th>A</th>
<th>Length</th>
<th>C</th>
<th>End Cap Style</th>
<th>O-Rings/Gaskets</th>
<th>Adders</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.03</td>
<td>10” (25.4 cm)</td>
<td>2 = DOE Flat Gasket</td>
<td>B = Buna</td>
<td>I = Stainless Steel Insert</td>
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<tr>
<td>0.05</td>
<td>20” (50.8 cm)</td>
<td>3 = 222 w/ Fin</td>
<td>E = EPDM</td>
<td>CS = 316ss Compression Spring</td>
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<tr>
<td>0.1</td>
<td>30” (76.2 cm)</td>
<td>4 = 222 w/ Flat Cap</td>
<td>S = Silicone</td>
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<tr>
<td>0.2</td>
<td>40” (101.6 cm)</td>
<td>6 = 226 w/ Flat Cap</td>
<td>C = Clear Silicone</td>
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<td></td>
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</tr>
<tr>
<td>0.45</td>
<td>7 = 226 w/ Fin</td>
<td>7 = Viton®</td>
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<td></td>
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<tr>
<td>0.85</td>
<td>16 = 213 Internal O-Ring</td>
<td>T = Teflon® Encapsulated Viton®</td>
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DISCLAIMER: Filtration data presented is representative of performance observed in controlled laboratory testing. It is not given as a warranty, specification or statement of fitness for use. Specific performance can vary widely depending on contaminant type, fluid properties, flow rates and environmental conditions. It is recommended that users conduct thorough qualification testing to assure the product functions as required.